

# GREENHOUSE GAS EMISSIONS REDUCTION PLAN

## Monitoring Report 2012 DWR GHG Emissions

Description	Facility, Unit, or Contract	Gross Generation for Water Project Pump Loads (GWh)	Emissions Factor (CO2e/GWh)	Total Emissions	Scope	Data Source
<b>SWP Pump Load</b>						
Total electricity for pump load		7,370.89	na			CARB Rep
<b>SWP Electricity Resources</b>						
<b>DWR Owned SWP Hydro</b>		3,182.24	-			
Hydro source - Hyatt-Thermalito	HYTTHM_2_UNITS		0	-	1	CARB Rep
Hydro source - Alamo	ALAMO_6_UNIT		0	-	1	CARB Rep
Hydro source - Devil Canyon	DVLCYN_1_UNITS		0	-	1	CARB Rep
Hydro source - Mojave Siphon	MOJAVE_1_SIPHON		0	-	1	CARB Rep
Hydro source - San Luis (Gianelli)	SLUISP_2_UNITS		0	-	1	CARB Rep
Hydro source - Warne	WARNE_2_UNIT		0	-	1	CARB Rep
<b>Fossil Fuel -Owned Generation</b>		767.86		853,516		
Coal source - NPC Contract - Reid Gardner Unit 4 (67.8%)	Reid Gardner Unit 4	767.86	na	853,516	1	TCR
<b>Total Generated Resources</b>		3,950.11		853,516	1	
<b>Purchased Electricity</b>						
<b>Purchased and Contracted - Hydro Resources</b>		980.48	-			
Hydro source - KRCD Contract - Pine Flat	PINFLT_7_UNITS		0	-	2	CARB Rep
Hydro source - MWD Contract - Lake Mathews	MIRLOM_7_MWDLKM		0	-	2	CARB Rep
Hydro source - MWD Contract - Foothill Feeder	SAUGUS_6_MWDFTH		0	-	2	CARB Rep
Hydro source - MWD Contract - Yorba Linda	VILLPK_6_MWDYOR		0	-	2	CARB Rep
Hydro source - MWD Contract - Greg Ave	CWRT_SYLMAR_1_F_LDWP01		0	-	2	CARB Rep
Hydro source - MWD Contract - San Dimas	PADUA_6_MWDSDM		0	-	2	CARB Rep
Hydro source - LADWP Contract - Castaic	Castaic		0	-	2	CARB Rep
<b>Purchased and Contracted - Fossil Resources</b>		308.24		304,677		
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	268.37	1088.330	292,080	2	TCR Rep
Lodi Energy Center Contracted Generation	LEC	39.86	316	12,597	2	TCR Rep
<b>Purchased and Contracted - Renewable Resources</b>		41.50	-			
					2	
					2	
					2	
					2	
					2	
<b>Other Purchases</b>		0.00	-			
				-	2	
<b>Total Specified Owned Generation, Purchases, and Contracts</b>		5,280.33				
<b>Market Purchases</b>						
Net Market Purchases (SWP Load-Resources-specified purchases)		2,090.57	437	913,577	2	Calculated
<b>Total Operational Emissions</b>				2,071,770	1+2	Calculated
<b>Business and Maintenance Activities</b>						
Stationary Combustion				942	1	TCR Rep
Mobile Combustion				12,578	1	TCR Rep
Purchased Electricity				3,530	2	TCR Rep
Fugitive Emissions				8,771	1	TCR Rep
<b>Construction Activities</b>						
Mobile Combustion				28,777	3	Default Est
Purchased Electricity					3	Default Est
<b>Total 2012 DWR Emissions</b>				2,126,367		

### TCR Accounting

Scope 1 Emissions	875,807	mtCO <sub>2</sub> e
Scope 2 Emissions	1,221,784	mtCO <sub>2</sub> e
Scope 3 Emissions	28,777	mtCO <sub>2</sub> e
	2,126,367	

### GGERP Accounting

Operational Emissions	2,071,770	mtCO <sub>2</sub> e
Maintenance and Business Activity Emissions	25,821	mtCO <sub>2</sub> e
Construction Emissions	28,777	mtCO <sub>2</sub> e
	2,126,367	

	Operations	Business Practice
Percent of Electricity Use Served by Zero Emissions Resources	57%	50%

### Reid Gardner Electricity Calculations

Total Energy Received from Reid Gardner Unit 4	Reid Gardner Unit 4	1036.24
Residual Electricity Purchased (not accounted for by owned generation)	Reid Gardner Unit 4	268.37
Electricity received from Owned portion of Reid Gardner	Reid Gardner Unit 4	767.86